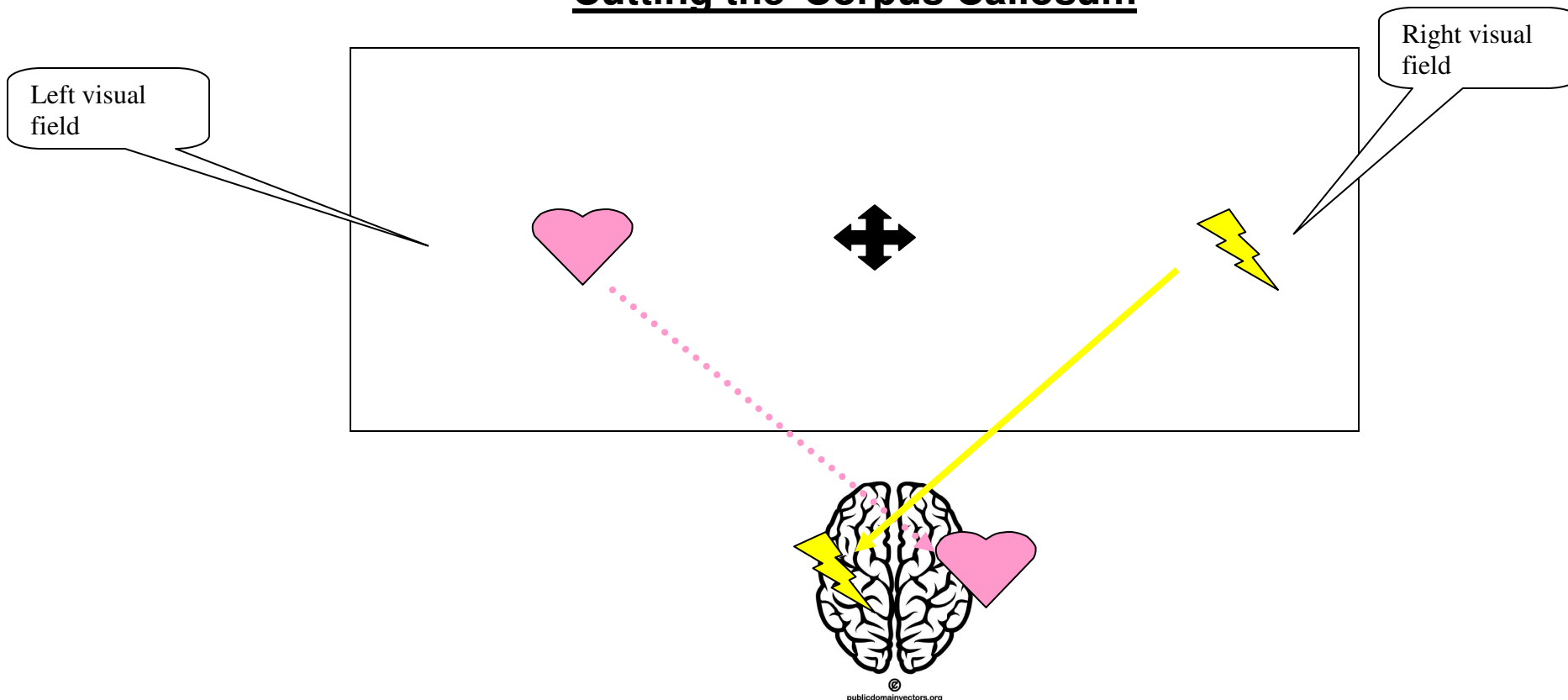





Cutting the Corpus Callosum



In the studies done with split brain patients with the corpus callosum cut, the patients stare at a point on the screen such as the following ().

-  • Items on the left visual field (top picture), are primarily processed in the right hemisphere.
-  • Items in the right visual field (top picture), are primarily processed in the left hemisphere.

Cutting the Corpus Callosum

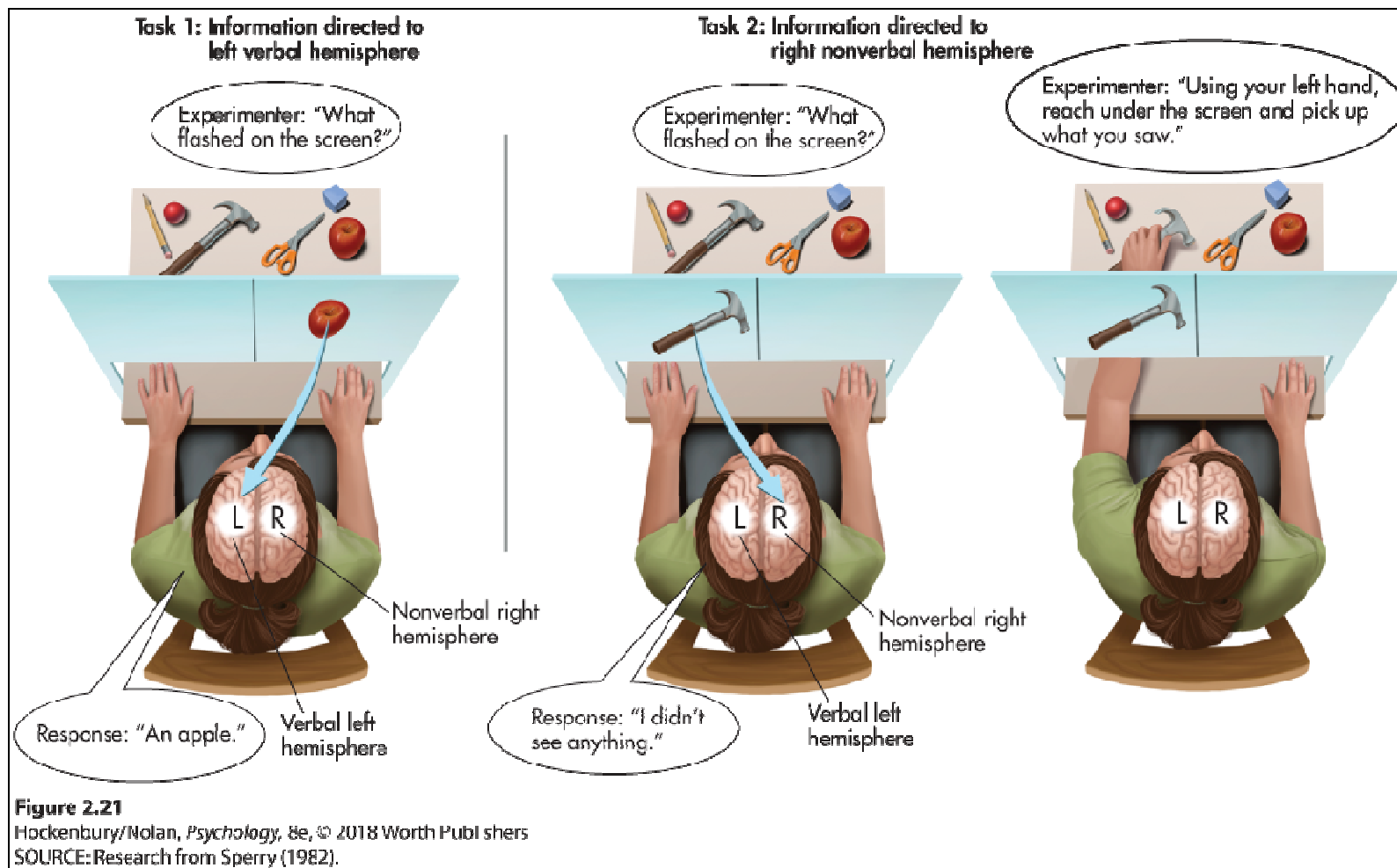


Figure 2.21

Hockenbury/Nolan, *Psychology*, 8e, © 2018 Worth Publishers
SOURCE: Research from Sperry (1982).

Cutting the Corpus Callosum

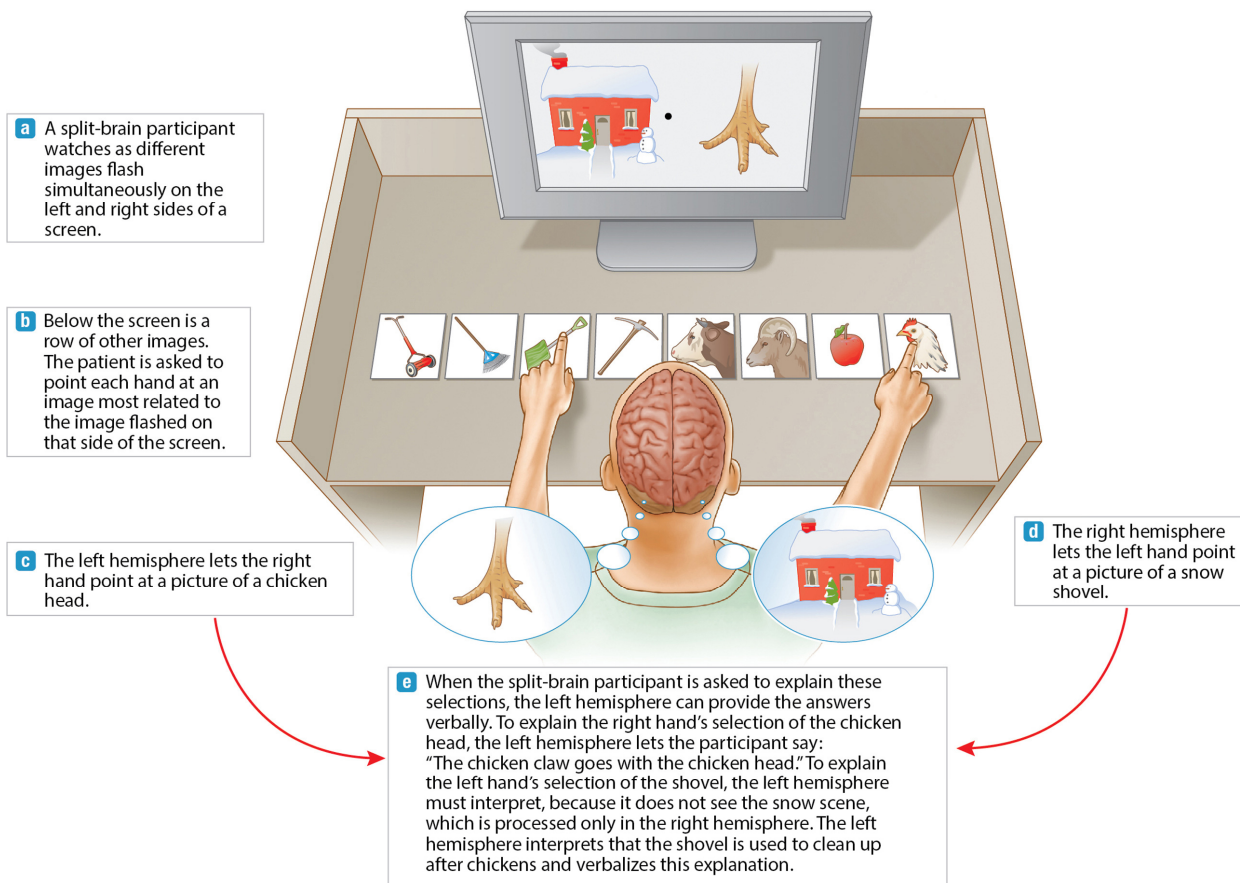


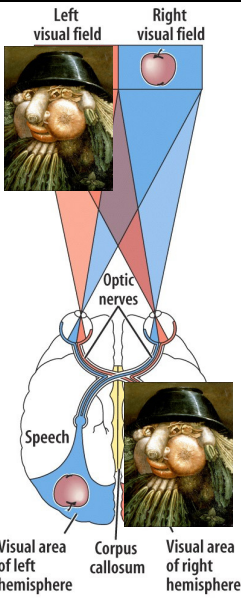
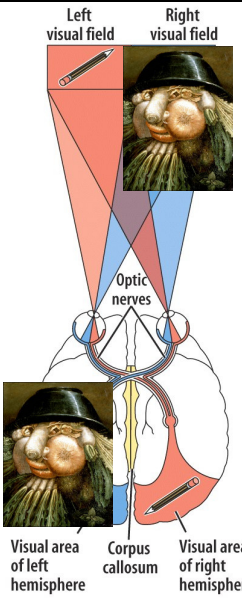


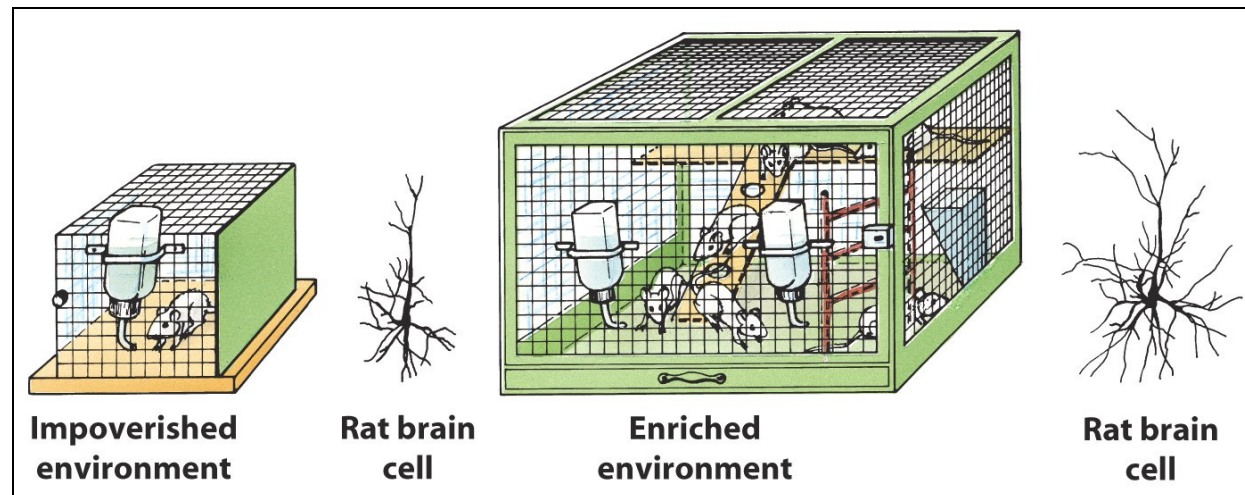
FIGURE 2.25

Cutting the Corpus Callosum

	
	
<p>It's a Face</p>	<p>It's Vegetables</p>

The Interplay of Genes and Environment Wires the Brain

To study the effects of environment on brain development. Researchers raised rats in two different laboratory environments. One group was raised in an impoverished environment and a second group was raised in an enriched environment. (page 118). Those raised in an enriched environment has more neural connections.



When you look at the brains of adults who led lives that provided mental challenges such as learning new activities, they developed more neural connections in the brain. Although, these adults were as likely to develop Alzheimer's disease, they were less likely to be impaired by it.